BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra

BYATARAYANAPURA DIVISION

EMB

1st & Final Bill

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra

BYATARAYANAPURA DIVISION

DETAILED-MEASUREMENTS

BRUHATH BANGALORE MAHANAGARAPALIKE

YELAHANKA ZONE

1ST AND FINAL BILL

Name of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.

Estimate Cost:100.00 Lakh

JOB NUMBER: 010-20-000041

As No :AS/EE(BTP)/100/19-20 Dated:29-02-2020

Ts No :TS/SE(YNK)/31/19-20 Dated:04-03-2020

Work Order No: BBMP/EE/BTP/WO/208/2019-20 Dated:10-03-2020

Name of Contractor : M/S KRIDL

Item No	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3.										266712.65
	Qty Taken from Pre measurement page Item No. 1, page No.1to6							**Cum**	**1210.13**	**220.40**	**266713.32**
2	Removing And Refixing stone slabs of drains and pointing in C.M (1:3)										
	Qty Taken from Pre measurement page Item No. 2, Page No.7							**Sqm**	**94.44**	**111.30**	**10511.17**
3	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete										
	Qty Taken from Pre measurement page Item No. 3, Page No.8 to 12							**Cum**	**455.94**	**5509.33**	**2511948.02**
4	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed,concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications.										
	Qty Taken from Pre measurement page Item No. 4, Page No.13 (Qty Upto 125%)							**Cum**	**9.36**	**5695.35**	**53308.52**
	Qty Above 125%							**Cum**	**4.46**	**5695.35**	**25424.06**
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm										
	For RCC Drain										
	For Bottom Raft										
	Cross road										
	RHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	5.00	0.95	0.15	0.15	0.15		0.71		
	LHS										
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	19.00	0.95	0.15	0.15	0.15		2.71		
	Right side Cross road from Main Road										
		1	11.80	1.25	0.20	0.20	0.20		2.95		
	Cross road From 2nd A Cross										
		1	14.30	1.25	0.20	0.20	0.20		3.58		
	L Shape drain	1	14.00	0.30	0.15	0.15	0.15		0.63		
	2nd cross, Jayamma road										
	LHS										
		1	30.00	0.75	0.15	0.15	0.15		3.38		
		1	30.00	0.75	0.15	0.15	0.15		3.38		
	RHS										
		1	30.00	0.75	0.15	0.15	0.15		3.38		
		1	30.00	0.75	0.15	0.15	0.15		3.38		

	For RCC Culvert										
	Culvert @ Main Road(Near VeterinaryHospital)										
	Pipe Culvert										
	Bottom	1	4.00	0.50	0.15	0.15	0.15		0.30		
	Top	1	4.00	1.00	0.15	0.15	0.15		0.60		
	RCC Culvert										
		1	4.00	1.50	0.20	0.20	0.20		1.20		
	2nd B Cross from Subbanna Road										
		1	3.80	1.70	0.20	0.20	0.20		1.29		
	2nd C Cross from Subbanna Road										
		1	4.90	1.70	0.20	0.20	0.20		1.67		
	2nd D Cross from Subbanna Road										
		1	4.30	1.70	0.20	0.20	0.20		1.46		
	For Wall										
	Cross road										
	RHS	2	30.00	0.15	0.68	0.72	0.70		6.30		
		2	30.00	0.15	0.72	0.75	0.74		6.62		
		2	5.00	0.15	0.75	0.75	0.75		1.13		
	LHS										
		2	30.00	0.15	0.70	0.72	0.71		6.39		
		2	19.00	0.15	0.72	0.75	0.74		4.19		
	Right side Cross road from Main Road										
		2	11.80	0.15	0.80	0.90	0.85		3.01		
	Cross road From 2nd A Cross										
		2	14.30	0.15	0.90	0.90	0.90		3.86		
	L Shape drain	1	14.00	0.30	0.30	0.30	0.30		1.26		
	2nd cross, Jayamma road										
	LHS										
		2	30.00	0.15	0.45	0.45	0.45		4.05		
		2	30.00	0.15	0.45	0.45	0.45		4.05		
	RHS										
		2	30.00	0.15	0.45	0.45	0.45		4.05		
		2	30.00	0.15	0.45	0.45	0.45		4.05		
	For RCC Culvert										
	Culvert @ Main Road(Near Veterinary Hospital)										
		2	4.00	0.30	0.60	0.60	0.60		1.44		
	2nd B Cross from Subbanna Road										
		2	3.80	0.30	0.60	0.60	0.60		1.37		
	2nd C Cross from Subbanna Road										
		2	4.90	0.30	0.60	0.60	0.60		1.76		
	2nd D Cross from Subbanna Road										
		2	4.30	0.30	0.60	0.60	0.60		1.55		
	Deck Slab										
	Right Side CrossNear Veterinary										
		1	11.80	2.90	2.25	2.58	0.20		6.08		
		1	18.40	2.25	1.80	2.03	0.20		7.45		
	Ramp	1	2.20	1.60	1.60	1.60	0.20		0.70		
							Present Qty	**Cum**	**112.72**	**7189.42**	**810409.19**
6	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - **600mm dia** (I No-34.7.2, P No-255 PWD SR 2018-19)										
								Mtr	**0.00**	**2288.54**	**0.00**
7	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.										
	Qty Taken from Pre measurement page Item No.7, Page No.14 to 16							**Tonne**	**7.49**	**72326.98**	**541512.60**

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Unit	Qty	Rate in Rs	Amount
8	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate)										
	For RCC Drain										
	Cross road From 2nd A Cross										
		1	14.30			1.20			17.16		
	2nd cross, Jayamma road										
	LHS										
		1	30.00			0.60			18.00		
		1	3.50			0.60			2.10		
	RHS										
		1	30.00			0.60			18.00		
		1	30.00			0.60			18.00		
								Present Qty	**73.26**	**2337.00**	**171208.62**
9	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. (Data										
	For RCC Culvert										
	Culvert @ Main Road(Near VeterinaryHospital)										
		1	4.00			1.50			6.00		
	2nd B Cross from Subbanna Road										
		1	3.80			1.50			5.70		
	2nd C Cross from Subbanna Road										
		1	4.90			1.50			7.35		
	2nd D Cross from Subbanna Road										
		1	4.30			1.50			6.45		
								Present Qty	**25.50**	**5418.00**	**138159.00**
10	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.										
	Qty Taken from Pre measurement page Item No.12, Page No.17 to 20							**Cum**	**471.02**	**952.94**	**448852.30**
11	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.										
	Qty Taken from Pre measurement page Item No.13, Page No.21 to 24							**Sqm**	**2689.86**	**6.36**	**17107.52**
12	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.										
	Qty Taken from Pre measurement page Item No.14, Page No.25 to 28							**Cum**	**408.72**	**2001.28**	**817957.46**
13	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)										
	For CC Road										
	Doddabommasandra village Surroundings										

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Unit	Qty	Rate in Rs	Amount
	Main Road(Near VeterinaryHospital)										
		1	2.80	1.45	1.60	1.53	0.15		0.64		
		1	12.40	6.85	6.60	6.73	0.15		12.51		
		1	16.90	5.00	4.50	4.75	0.15		12.04		
		1	15.00	5.50	4.55	5.03	0.15		11.31		
		1	9.00	4.55	5.60	5.08	0.15		6.85		
		1	9.90	7.40	6.00	6.70	0.15		9.95		
		1	9.00	4.55	5.35	4.95	0.15		6.68		
	1st cross (Raja Beedhi)										
		1	5.20	2.90	2.70	2.80	0.15		2.18		
		1	4.30	3.50	4.00	3.75	0.15		2.42		
		1	13.30	3.15	2.75	2.95	0.15		5.89		
		1	6.70	1.70	2.40	2.05	0.15		2.06		
		1	15.00	3.20	2.35	2.78	0.15		6.24		
		1	15.80	2.35	2.90	2.63	0.15		6.22		
	Cross Road-1										
		1	4.30	2.70	2.70	2.70	0.15		1.74		
		1	18.00	3.30	3.60	3.45	0.15		9.32		
		1	2.55	2.60	1.55	2.08	0.15		0.79		
		1	15.00	1.60	1.90	1.75	0.15		3.94		
		1	7.60	1.90	2.90	2.40	0.15		2.74		
	Cross Road-2										
		1	3.40	2.10	2.00	2.05	0.15		1.05		
		1	9.90	2.40	2.00	2.20	0.15		3.27		
		1	4.30	3.40	3.40	3.40	0.15		2.19		
		1	5.15	1.40	1.30	1.35	0.15		1.04		
		1	7.85	3.50	3.20	3.35	0.15		3.94		
		1	3.20	2.45	2.25	2.35	0.15		1.13		
		1	15.00	1.70	1.90	1.80	0.15		4.05		
		1	5.90	1.90	2.20	2.05	0.15		1.81		
		1	6.65	1.85	2.20	2.03	0.15		2.02		
	Approch		2.10	1.20	1.20	1.20	0.15		0.38		
	Cross Road-3										
		1	2.00	2.20	1.50	1.85	0.15		0.56		
		1	6.00	2.50	1.50	2.00	0.15		1.80		
		1	10.30	1.50	0.80	1.15	0.15		1.78		
	Cross Road-4										
		1	5.70	1.80	1.80	1.80	0.15		1.54		
		1	2.65	1.60	1.60	1.60	0.15		0.64		
		1	2.00	1.25	1.25	1.25	0.15		0.38		
		1	4.40	3.35	2.55	2.95	0.15		1.95		
	Cross Road-5										
		1	14.20	2.60	2.30	2.45	0.15		5.22		
		1	5.20	3.00	3.90	3.45	0.15		2.69		
		1	(1/2*1.8*2.35)				0.15		0.32		
		1	7.00	1.90	2.30	2.10	0.15		2.21		
		1	7.00	2.00	2.70	2.35	0.15		2.47		
		1	1.75	1.90	1.90	1.90	0.15		0.50		
	Cross Road-6										
		1	7.90	1.60	1.60	1.60	0.15		1.90		
		1	15.60	3.00	2.70	2.85	0.15		6.67		
		1	4.30	2.70	2.30	2.50	0.15		1.61		
	Cross Road-7										
		1	15.00	1.60	1.80	1.70	0.15		3.83		
		1	7.50	4.00	5.00	4.50	0.15		5.06		
	Cross Road-8										
		1	15.00	3.10	3.00	3.05	0.15		6.86		
		1	18.30	3.30	2.45	2.88	0.15		7.89		
		1	1.45	1.25	1.25	1.25	0.15		0.27		
	Cross Road-9										
		1	2.70	3.80	3.00	3.40	0.15		1.38		
		1	13.00	2.60	2.30	2.45	0.15		4.78		

Assistant Executive Engineer
Vijayanagara Sub Division
BBMP, Bangalore - 97

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Unit	Qty	Rate in Rs	Amount
		1	1.20	1.20	1.20	1.20	0.15		0.22		
	Cross Road-10										
		1	3.40	3.20	2.90	3.05	0.15		1.56		
		1	15.00	2.00	1.95	1.98	0.15		4.44		
	2nd A cross road										
		1	15.00	1.50	1.90	1.70	0.15		3.83		
		1	3.40	3.60	3.60	3.60	0.15		1.84		
		1	5.55	3.40	3.70	3.55	0.15		2.96		
		1	17.50	4.60	3.60	4.10	0.15		10.76		
	Cross road From 2nd A cross										
		1	10.60	3.80	2.90	3.35	0.15		5.33		
		1	7.40	3.40	2.80	3.10	0.15		3.44		
		1	9.60	2.00	1.75	1.88	0.15		2.70		
		1	4.00	1.20	0.90	1.05	0.15		0.63		
		1	8.70	2.60	3.90	3.25	0.15		4.24		
	Near 2nd A Cross										
		1	3.00	2.40	2.40	2.40	0.15		1.08		
		1	3.00	1.75	1.85	1.80	0.15		0.81		
		1	4.70	1.80	1.80	1.80	0.15		1.27		
	Ashwath Katte										
		1	15.60	4.40	5.10	4.75	0.15		11.12		
		1	9.20	4.80	4.45	4.63	0.15		6.38		
	Subbanna Main Road										
		1	15.00	4.75	4.30	4.53	0.15		10.18		
		1	15.00	4.30	4.50	4.40	0.15		9.90		
		1	13.60	4.50	4.40	4.45	0.15		9.08		
		1	15.00	4.00	3.80	3.90	0.15		8.78		
		1	9.40	3.80	4.10	3.95	0.15		5.57		
	2nd A cross										
		1	15.00	3.90	3.90	3.90	0.15		8.78		
		1	15.00	3.90	3.70	3.80	0.15		8.55		
		1	8.80	3.70	3.50	3.60	0.15		4.75		
	2nd B cross										
		1	15.00	4.20	4.70	4.45	0.15		10.01		
		1	15.00	4.70	4.10	4.40	0.15		9.90		
		1	12.50	4.10	4.50	4.30	0.15		8.06		
	2nd C cross										
		1	15.00	5.50	5.50	5.50	0.15		12.38		
		1	12.30	5.50	5.40	5.45	0.15		10.06		
		1	6.10	4.20	4.20	4.20	0.15		3.84		
	2nd cross, Jayamma road										
		1	15.00	3.30	3.30	3.30	0.15		7.43		
		1	15.00	3.30	3.45	3.38	0.15		7.59		
		1	15.00	3.45	3.80	3.63	0.15		8.16		
		1	14.40	3.80	4.00	3.90	0.15		8.42		
		1	10.00	5.60	5.70	5.65	0.15		8.48		
	Deductions										
	Main Road(Near Veterinary Hospital)										
	Chamber	-1	1.40	1.40	1.40	1.40	0.15		-0.29		
		-1	0.60	0.60	0.60	0.60	0.15		-0.05		
	step	-1	3.00	0.60	0.60	0.60	0.15		-0.27		
	STD Booth	-1	0.70	0.60	0.60	0.60	0.15		-0.06		
	Man Hole	-2	(3.142*0.9*0.9/4)				0.15		-0.19		
	1st cross (Raja Beedhi)										
	Chamber	-2	0.60	0.60	0.60	0.60	0.15		-0.11		
	step	-1	1.45	0.30	0.30	0.30	0.15		-0.07		
		-1	2.30	0.30	0.30	0.30	0.15		-0.10		
	Man Hole	-3	(3.142*0.9*0.9/4)				0.15		-0.29		
	Cross Road-1										
	Chamber	-1	0.70	0.60	0.60	0.60	0.15		-0.06		

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Unit	Qty	Rate in Rs	Amount
	Man Hole	-2		(3.142*0.9*0.9/4)			0.15		-0.19		
	Cross Road-2										
	Chamber	-2	0.60	0.60	0.60	0.60	0.15		-0.11		
		-1	0.80	0.70	0.70	0.70	0.15		-0.08		
	steps	-1	1.80	0.80	0.80	0.80	0.15		-0.22		
	Man Hole	-1		(3.142*0.9*0.9/4)			0.15		-0.10		
	Cross Road-3										
	Chamber	-1	0.80	0.80	0.80	0.80	0.15		-0.10		
	Man Hole	-1		(3.142*0.9*0.9/4)			0.15		-0.10		
	Cross Road-5										
	Chamber	-1	1.20	1.20	1.20	1.20	0.15		-0.22		
		-1	0.45	0.45	0.45	0.45	0.15		-0.03		
		-1	0.80	0.80	0.80	0.80	0.15		-0.10		
	steps	-1	1.00	0.80	0.80	0.80	0.15		-0.12		
	Man Hole	-1		(3.142*0.9*0.9/4)			0.15		-0.10		
	Cross Road-6										
	Toilet	-1	1.20	0.70	0.70	0.70	0.15		-0.13		
	Electric Pole	-3	0.20	0.15	0.15	0.15	0.15		-0.01		
	Cross Road-7										
	Man Hole	-1		(3.142*0.9*0.9/4)			0.15		-0.10		
	Cross Road-8										
	Man Hole	-1		(3.142*0.9*0.9/4)			0.15		-0.10		
	2nd A cross road										
	steps	-1	1.20	0.50	0.50	0.50	0.15		-0.09		
	Man Hole	-2		(3.142*0.9*0.9/4)			0.15		-0.19		
	Cross road From 2nd A cross										
	Chamber	-1	0.45	0.45	0.45	0.45	0.15		-0.03		
		-1	1.10	1.60	1.60	1.60	0.15		-0.26		
	Tank	-1	1.20	1.00	1.00	1.00	0.15		-0.18		
	steps	-1	4.00	0.60	0.60	0.60	0.15		-0.36		
	Man Hole	-1		(3.142*0.9*0.9/4)			0.15		-0.10		
	Ashwath Katte										
	Pole	-1	0.60	0.50	0.50	0.50	0.15		-0.05		
	Man Hole	-1		(3.142*0.9*0.9/4)			0.15		-0.10		
	Subbanna Main Road										
	Man Hole	-1		(3.142*0.9*0.9/4)			0.15		-0.10		
	2nd A cross										
	Man Hole	-1		(3.142*0.9*0.9/4)			0.15		-0.10		
	2nd B cross										
	Man Hole	-1		(3.142*0.9*0.9/4)			0.15		-0.10		
	2nd C cross										
	Man Hole	-2		(3.142*0.9*0.9/4)			0.15		-0.19		
	2nd cross, Jayamma road										
	Man Hole	-3		(3.142*0.9*0.9/4)			0.15		-0.29		
	Steps	-1	2.00	1.00	1.00	1.00	0.15		-0.30		
							Present Qty	**Cum**	**403.48**	**5354.02**	**2160236.18**
14	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.										
	For CC Road										
	Doddabommasandra village Surroundings										
	Main Road(Near Veterinary Hospital)										
		1	2.80	1.45	1.60	1.53			4.27		
		1	12.40	6.85	6.60	6.73			83.39		
		1	16.90	5.00	4.50	4.75			80.28		
		1	15.00	5.50	4.55	5.03			75.38		
		1	9.00	4.55	5.60	5.08			45.68		
		1	9.90	7.40	6.00	6.70			66.33		
		1	9.00	4.55	5.35	4.95			44.55		
	1st cross (Raja Beedhi)										

Assistant Executive Engineer
Vidyaranyapura Sub Divis
BBMP, Bangalore - 9

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Unit	Qty	Rate in Rs	Amount
		1	5.20	2.90	2.70	2.80			14.56		
		1	4.30	3.50	4.00	3.75			16.13		
		1	13.30	3.15	2.75	2.95			39.24		
		1	6.70	1.70	2.40	2.05			13.74		
		1	15.00	3.20	2.35	2.78			41.63		
		1	15.80	2.35	2.90	2.63			41.48		
	Cross Road-1										
		1	4.30	2.70	2.70	2.70			11.61		
		1	18.00	3.30	3.60	3.45			62.10		
		1	2.55	2.60	1.55	2.08			5.29		
		1	15.00	1.60	1.90	1.75			26.25		
		1	7.60	1.90	2.90	2.40			18.24		
	Cross Road-2										
		1	3.40	2.10	2.00	2.05			6.97		
		1	9.90	2.40	2.00	2.20			21.78		
		1	4.30	3.40	3.40	3.40			14.62		
		1	5.15	1.40	1.30	1.35			6.95		
		1	7.85	3.50	3.20	3.35			26.30		
		1	3.20	2.45	2.25	2.35			7.52		
		1	15.00	1.70	1.90	1.80			27.00		
		1	5.90	1.90	2.20	2.05			12.10		
		1	6.65	1.85	2.20	2.03			13.47		
	Approch	1	2.10	1.20	1.20	1.20			2.52		
	Cross Road-3										
		1	2.00	2.20	1.50	1.85			3.70		
		1	6.00	2.50	1.50	2.00			12.00		
		1	10.30	1.50	0.80	1.15			11.85		
	Cross Road-4										
		1	5.70	1.80	1.80	1.80			10.26		
		1	2.65	1.60	1.60	1.60			4.24		
		1	2.00	1.25	1.25	1.25			2.50		
		1	4.40	3.35	2.55	2.95			12.98		
	Cross Road-5										
		1	14.20	2.60	2.30	2.45			34.79		
		1	5.20	3.00	3.90	3.45			17.94		
		1	(1/2*1.8*2.35)						2.12		
		1	7.00	1.90	2.30	2.10			14.70		
		1	7.00	2.00	2.70	2.35			16.45		
		1	1.75	1.90	1.90	1.90			3.33		
	Cross Road-6										
		1	7.90	1.60	1.60	1.60			12.64		
		1	15.60	3.00	2.70	2.85			44.46		
		1	4.30	2.70	2.30	2.50			10.75		
	Cross Road-7										
		1	15.00	1.60	1.80	1.70			25.50		
		1	7.50	4.00	5.00	4.50			33.75		
	Cross Road-8										
		1	15.00	3.10	3.00	3.05			45.75		
		1	18.30	3.30	2.45	2.88			52.61		
		1	1.45	1.25	1.25	1.25			1.81		
	Cross Road-9										
		1	2.70	3.80	3.00	3.40			9.18		
		1	13.00	2.60	2.30	2.45			31.85		
		1	1.20	1.20	1.20	1.20			1.44		
	Cross Road-10										

Assistant Executive Engineer
Narayanpura Sub Division
BBMP, Bangalore - 97

tem No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Unit	Qty	Rate in Rs	Amount
		1	3.40	3.20	2.90	3.05			10.37		
		1	15.00	2.00	1.95	1.98			29.63		
	2nd A cross road										
		1	15.00	1.50	1.90	1.70			25.50		
		1	3.40	3.60	3.60	3.60			12.24		
		1	5.55	3.40	3.70	3.55			19.70		
		1	17.50	4.60	3.60	4.10			71.75		
	Cross road From 2nd A cross										
		1	10.60	3.80	2.90	3.35			35.51		
		1	7.40	3.40	2.80	3.10			22.94		
		1	9.60	2.00	1.75	1.88			18.00		
		1	4.00	1.20	0.90	1.05			4.20		
		1	8.70	2.60	3.90	3.25			28.28		
	Near 2nd A Cross										
		1	3.00	2.40	2.40	2.40			7.20		
		1	3.00	1.75	1.85	1.80			5.40		
		1	4.70	1.80	1.80	1.80			8.46		
	Ashwath Katte										
		1	15.60	4.40	5.10	4.75			74.10		
		1	9.20	4.80	4.45	4.63			42.55		
	Subbanna Main Road										
		1	15.00	4.75	4.30	4.53			67.88		
		1	15.00	4.30	4.50	4.40			66.00		
		1	13.60	4.50	4.40	4.45			60.52		
		1	15.00	4.00	3.80	3.90			58.50		
		1	9.40	3.80	4.10	3.95			37.13		
	2nd A cross										
		1	15.00	3.90	3.90	3.90			58.50		
		1	15.00	3.90	3.70	3.80			57.00		
		1	8.80	3.70	3.50	3.60			31.68		
	2nd B cross										
		1	15.00	4.20	4.70	4.45			66.75		
		1	15.00	4.70	4.10	4.40			66.00		
		1	12.50	4.10	4.50	4.30			53.75		
	2nd C cross										
		1	15.00	5.50	5.50	5.50			82.50		
		1	12.30	5.50	5.40	5.45			67.04		
		1	6.10	4.20	4.20	4.20			25.62		
	2nd cross, Jayamma road										
		1	15.00	3.30	3.30	3.30			49.50		
		1	15.00	3.30	3.45	3.38			50.63		
		1	15.00	3.45	3.80	3.63			54.38		
		1	14.40	3.80	4.00	3.90			56.16		
		1	10.00	5.60	5.70	5.65			56.50		
	Deductions										
	Main Road(Near Veterinary Hospital)										
	Chamber	-1	1.40	1.40	1.40	1.40			-1.96		
		-1	0.60	0.60	0.60	0.60			-0.36		
	step	-1	3.00	0.60	0.60	0.60			-1.80		
	STD Booth	-1	0.70	0.60	0.60	0.60			-0.42		
	Man Hole	-2		(3.142*0.9*0.9/4)					-1.27		
	1st cross (Raja Beedhi)										
	Chamber	-2	0.60	0.60	0.60	0.60			-0.72		
	step	-1	1.45	0.30	0.30	0.30			-0.44		

Checked

Assistant Executive Engineer
Vijayanagar Sub Division
BBMP, Bangalore-97

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Unit	Qty	Rate in Rs	Amount
		-1	2.30	0.30	0.30	0.30			-0.69		
	Man Hole	-3		(3.142*0.9*0.9/4)					-1.91		
	Cross Road-1										
	Chamber	-1	0.70	0.60	0.60	0.60			-0.42		
	Man Hole	-2		(3.142*0.9*0.9/4)					-1.27		
	Cross Road-2										
	Chamber	-2	0.60	0.60	0.60	0.60			-0.72		
		-1	0.80	0.70	0.70	0.70			-0.56		
	steps	-1	1.80	0.80	0.80	0.80			-1.44		
	Man Hole	-1		(3.142*0.9*0.9/4)					-0.64		
	Cross Road-3										
	Chamber	-1	0.80	0.80	0.80	0.80			-0.64		
	Man Hole	-1		(3.142*0.9*0.9/4)					-0.64		
	Cross Road-5										
	Chamber	-1	1.20	1.20	1.20	1.20			-1.44		
		-1	0.45	0.45	0.45	0.45			-0.20		
		-1	0.80	0.80	0.80	0.80			-0.64		
	steps	-1	1.00	0.80	0.80	0.80			-0.80		
	Man Hole	-1		(3.142*0.9*0.9/4)					-0.64		
	Cross Road-6										
	Toilet	-1	1.20	0.70	0.70	0.70			-0.84		
	Electric Pole	-3	0.20	0.15	0.15	0.15			-0.09		
	Cross Road-7										
	Man Hole	-1		(3.142*0.9*0.9/4)					-0.64		
	Cross Road-8										
	Man Hole	-1		(3.142*0.9*0.9/4)					-0.64		
	2nd A cross road										
	steps	-1	1.20	0.50	0.50	0.50			-0.60		
	Man Hole	-2		(3.142*0.9*0.9/4)					-1.27		
	Cross road From 2nd A cross										
	Chamber	-1	0.45	0.45	0.45	0.45			-0.20		
		-1	1.10	1.60	1.60	1.60			-1.76		
	Tank	-1	1.20	1.00	1.00	1.00			-1.20		
	steps	-1	4.00	0.60	0.60	0.60			-2.40		
	Man Hole	-1		(3.142*0.9*0.9/4)					-0.64		
	Ashwath Katte										
	Pole	-1	0.60	0.50	0.50	0.50			-0.30		
	Man Hole	-1		(3.142*0.9*0.9/4)					-0.64		
	Subbanna Main Road										
	Man Hole	-1		(3.142*0.9*0.9/4)					-0.64		
	2nd A cross										
	Man Hole	-1		(3.142*0.9*0.9/4)					-0.64		
	2nd B cross										
	Man Hole	-1		(3.142*0.9*0.9/4)					-0.64		
	2nd C cross										
	Man Hole	-2		(3.142*0.9*0.9/4)					-1.27		
	2nd cross, Jayamma road										
	Man Hole	-3		(3.142*0.9*0.9/4)					-1.91		
	Steps	-1	2.00	1.00	1.00	1.00			-2.00		
								Present Qty	**Sqm**	**2689.86**	**72.08**	**193885.18**
	Extra Item										
E-1	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - **250mm dia** (I No-34.7.2, P No-255 PWD SR 2018-19)										
	Qty Taken from Pre measurement page Item No.E-1, Page No.29							**Mtr**	**4.00**	**559.68**	**2238.72**
E-2	Providing granite slabs of selected quality roughly dressed having a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. (Page No.27/ Item No.5.31.2/ PWD SR 2018-										
	For RCC Drain										
	Cross road										
	RHS	1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		

Checked
Assistant Executive Engineer
Vidyarayapura Sub Division
BBMP, Bangalore-97

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Unit	Qty	Rate in Rs	Amount
		1	5.00	0.90					4.50		
	LHS										
		1	30.00	0.90					27.00		
		1	19.00	0.90					17.10		
	2nd cross, Jayamma road										
	LHS										
		1	26.50	0.60					15.90		
	Missing Slabs										
	Subbanna Main Road										
	LHS										
		1	15.00	0.60					9.00		
		1	15.00	0.60					9.00		
	RHS										
		1	19.30	0.75					14.48		
		1	30.00	0.75					22.50		
	2nd A cross Road										
		1	20.00	0.75					15.00		
							Present Qty	**Sqm**	**188.48**	**966.72**	**182202.55**
E-3	KSRB 5-8.1 : Providing one line dressing to granite stone slab / granite stone masonry as per specifications .KBS 5.1.13 (Page No.26/ Item No.5.17/ PWD SR 2018-19)										
		Qty Same as per Vide Item No.E-2							188.48		
							Present Qty	**Sqm**	**188.48**	**950.82**	**179205.80**
										Total	**8530880.22**
										GST Charges 12%	**1023705.63**
										KRIDL Charges 4%	**341235.21**
										Grand Total	**9895821.06**

PMC

BVH Consulting Engineers Pvt. Ltd. Bangalore

Assistant Engineer
Ward No.10

Asst. Executive Engineer,
Vidyaranya Pura Sub division

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore